

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Beachy, et al.

Serial No: 09/708,974

Filed: November 8, 2000

For: Inhibitors of Hedgehog Signaling
Pathways, Compositions and Uses
Related Thereto

Attorney Docket No. JHUC-P03-010

Art Unit: 1616

Examiner: B. Badio

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I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to: Assistant Commissioner for Patents Washington, D.C. 20231 on the date indicated below:

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Karen DiRocco

Assistant Commissioner of Patents
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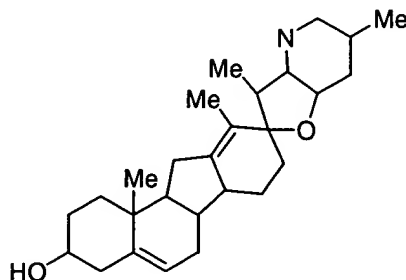
REPLY TO RESTRICTION REQUIREMENT

Sir:

In reply to the outstanding Restriction Requirement, mailed September 10, 2001, in connection with the above application, Applicants hereby provisionally elect with traverse Group I, Claims 1 and 3-23, drawn to a method for inhibiting paracrine and/or autocrine signals utilizing a compound of formula Ia, which Applicants believe to refer to the left structure depicted in Claim 3.

Applicants elect this invention with traverse, because Groups III and V are directed to subject matter related to Group I and all three groups utilize compounds of formula Ia. In addition, Groups I and III have all but one claim in common and Group V encompasses only two claims. Applicants therefore believe that Groups I, III and V could be examined simultaneously without significant additional burden to the Examiner. Applicants respectfully request that the present restriction requirement be withdrawn and all claims be examined inclusively.

In response to the requirement that Applicants elect a single disclosed species, Applicants elect with traverse and for search purposes only the species of cyclopamine, as described by the following structure:



Applicants elect this species with traverse, because this structure is not representative of all compounds encompassed by Formula I.

REMARKS

If any clarification of the above response would facilitate prosecution of this application, Applicants respectfully request that the Examiner contact the undersigned at 617-951-7000. Should an extension of time be required, Applicants hereby petition for same and request that the extension fee and any other fee required for timely consideration of this submission be charged to **Deposit Account No. 18-1945**.

Date: October 9, 2001

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Respectfully Submitted,



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